## **REMARKS/ARGUMENTS**

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1-3 and 5-7 are presently pending in this case. Claims 1, 3, 5, and 6 are amended by the present amendment. As amended Claims 1, 3, 5, and 6 are supported by the original disclosure, 1 no new matter is added.

In the outstanding Official Action, Claims 1-3 and 5-7 were rejected under 35 U.S.C. §103(a) as unpatentable over <u>Buckler et al.</u> (U.S. Patent No. 5,030,984, hereinafter "Buckler") in view of Kanbara (U.S. Patent No. 5,689,737).

The outstanding rejection is respectfully traversed.

Claim 1 recites in part:

normal equation generating means for generating a normal equation using a first equation wherein the pixel value of each of the pixels within said processing region is substituted into a model generated by said model generating means, and a second equation which constrains the relation between each of the pixels without said movement blurring occurring, said normal equation including a number of equations from the first equation and the second equation which is greater than or equal to a number of pixels without said movement blurring occurring.

Buckler describes an apparatus for minimizing the effects of motion in the recording of an image including functional block 42, which adjusts light level based on motion.<sup>2</sup> The outstanding Office Action cited the processing described at column 6 of Buckler as "normal equation generating means," the equation at column 6, line 63 of Buckler as "a first equation," and the equation at column 6, line 29 of Buckler as "a second equation." However, Buckler states at column 7, lines 30-32 that rearranging the two above-noted equations results in *two equations and two unknowns*, the unknowns being x and y

7

<sup>&</sup>lt;sup>1</sup>See, e.g., the publication of the specification at paragraphs 1305, 1310, 1320, and 1321

<sup>&</sup>lt;sup>2</sup>See Buckler, Figure 4, column 5, lines 48-49, and column 6, line 17 to column 7, line 35.

<sup>&</sup>lt;sup>3</sup>See the outstanding Office Action at page 6, lines 6-15.

velocities. In contrast, the image I(i,j) includes many more than two pixels. Thus, <u>Buckler</u> does not teach or suggest "said normal equation including a number of equations from the first equation and the second equation which is *greater than or equal to a number of pixels* without said movement blurring occurring" as recited in amended Claim 1. Further, it is respectfully submitted that <u>Kanbara</u> does not cure these deficiencies of <u>Buckler</u>.

In fact, as <u>Buckler</u> describes using only two equations and two unknowns, the unknowns being x and y velocities instead of pixel values, it is respectfully submitted that <u>Buckler</u> teaches away from the claimed invention. Thus, there can be no suggestion or motivation to combine any other reference with <u>Buckler</u> to create the claimed invention.

Consequently, Claim 1 (and Claim 2 dependent therefrom) is patentable over <u>Buckler</u> in view of Kanbara.

Amended Claims 3 and 5 recite in part:

generating a normal equation using a first equation wherein the pixel value of each of the pixels within said processing region is substituted into a model generated by said modeling, and a second equation which constrains the relation between each of the pixels without said movement blurring occurring, said normal equation including a number of equations from the first equation and the second equation which is greater than or equal to a number of pixels without said movement blurring occurring.

As noted above, the two equations described by <u>Buckler</u> and cited by the outstanding Office Action as "a first equation" and "a second equation" provide *two equations and two unknowns*, the unknowns being x and y velocities. However, the image I(i,j) includes many more than two pixels. Thus, <u>Buckler</u> does not teach or suggest "generating a normal equation" as recited in Claims 3 and 5. Further, it is respectfully submitted that <u>Kanbara</u> does not teach or suggest this feature either, and further there can be no suggestion or motivation to combine any other reference with <u>Buckler</u> to create the claimed invention, as <u>Buckler</u>

Application No. 10/562,176

Reply to Office Action of April 8, 2008

teaches away from the claimed invention. Consequently, Claims 3 and 5 are patentable over

Buckler in view of Kanbara.

Amended Claim 6 recites in part:

a normal equation generating unit configured to generate a normal equation using a first equation wherein the pixel value of each of the pixels within said processing region

is substituted into a model generated by said model generating unit, and a second equation which constrains the relation between each of the pixels without said movement blurring occurring, said normal equation including a number of

equations from the first equation and the second equation which is greater than or equal to a number of pixels without

said movement blurring occurring.

However, as noted above, Buckler does not teach or suggest any unit configured to

generate a first and a second equation such that a number of equations from the first equation

and the second equation is greater than or equal to a number of pixels without said movement

blurring occurring. Thus, Buckler does not teach or suggest "a normal equation generating

unit" as recited in amended Claim 6. Further, it is respectfully submitted that Kanbara does

not cure these deficiencies of Buckler. Consequently, amended Claim 6 (and Claim 7

dependent therefrom) is also patentable over Buckler in view of Kanbara.

Accordingly, the pending claims are believed to be in condition for formal allowance.

An early and favorable action to that effect is respectfully requested.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,

MAIER & NEUSTADT, P.C.

Customer Number

22850

Tel: (703) 413-3000 Fax: (703) 413 -2220

(OSMMN 08/07)

1:\ATTY\ET\279988US\279988US-AMD6.8.08.DOC

Bradley D. Lytle

Attorney of Record

Registration No. 40,073

twarel

Edward W. Tracy, Jr.

Registration No. 47,998